

Observations of Occultations of Stars by the Moon and of Phenomena of Jupiter's Satellites, made at the Royal Observatory, Greenwich, in the year 1891.

(Communicated by the Astronomer Royal.)

Occultations of Stars by the Moon.

Day.	Phenomena.	Telescope.	Power.	Moon's Limb.	Mean Solar Time of Observation. h m s	Observer.
1891 Jan. 4	Reapp. 2 Libræ	Altaz.	100	Dark	18 25 54.11	J. P.
Feb. 12 (a)	Disapp. 33 Ceti	"	100	"	7 36 35.59	H.
17	" 121 Tauri	Corbett Equat.	110	"	7 2 22.75	A. M.
Mar. 2 (b)	Reapp. BAC 5395	Altaz.	100	"	14 9 31.00	W. R.
26	" l ² Virginis	"	100	"	11 11 22.16	W. R.
28	" v ¹ Libræ	"	100	"	12 13 22.40	W. R.
Apr. 18	Disapp. 42 Leonis	E. Equat.	150	"	10 33 59.40	T.
18 (c)	" 42 Leonis	Altaz.	100	"	10 33 59.46	L.
20	Reapp. v Virginis	E. Equat.	55	"	7 19 30.63	L.
Aug. 14	Disapp. 26 Ophiuchi	Altaz.	100	"	8 29 35.65	A. C.
Sept. 22 (d)	Reapp. 53 Tauri	"	100	"	11 0 0.30	H.
Oct. 15	Disapp. 30 Piscium	"	100	"	5 51 12.18	A. C.

Notes.

- (a) Not a good observation; the star frequently disappeared behind clouds previous to final disappearance.
- (b) Star very faint; moon low.
- (c) Star very faint.
- (d) This observation may possibly be late. At 10^h 59^m 45^s it was thought that a star was seen for a moment.

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Phenomena of Jupiter's Satellites.

Day.	Satellite.	Phenomenon.	Telescope.	Power.	Mean Solar Time of Observation. h m s	Mean Solar Time of N.A. h m s	Observer.
1891 June 16 (a)	III.	Tr. Ing. First contact	Altaz.	100	13 28 50	13 29	W. R.
16	III.	Last seen	"	"	13 38 4		"
July 6	II.	Tr. Egr. First seen	E. Equat.	150	13 43 54		H.
6	II.	Bisection	"	"	13 45 48	13 45	"
6	II.	Last contact	"	"	13 49 33		"
6	I.	Tr. Ing. First contact	"	"	13 44 24		"
6	I.	Bisection	"	"	13 46 58	13 48	"
6	I.	Last seen	"	"	13 49 41		"
13	II.	Tr. Ing. First contact	"	"	13 21 11		A. C.
13	II.	Bisection	"	"	13 22 23	13 21	"
13	II.	Last seen	"	"	13 24 33		"
22 (b)	III.	Tr. Egr. Bisection	Altaz.	100	11 25 4	11 25	H. T.
22	III.	Last contact	"	"	11 27 54		"
22 (c)	II.	Oec. R. First seen	E. Equat.	150	13 18 49		"
22	II.	Bisection	"	"	13 20 49	13 21	"
22	II.	Last contact	"	"	13 22 34		"
29	II.	Ecl. D. Last seen	Altaz.	100	11 4 48	11 5 23	H. F.
Aug. 6	I.	Ecl. D. Last seen	E. Equat.	150	11 52 32	11 52 2	A. M.
14	I.	Tr. Ing. First contact	"	"	11 30 50		C. D.
14	I.	Last seen	"	"	11 34 49	11 33	"